

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 12591
Application ID: 09682721
Title of Invention: DESIGN AND IMPLEMENTATION
DEVICE FOR REAL-TIME
CONTROLLERS
First Named Inventor: George Mathew
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-10-10
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 15-XZ-6153
Digital Certificate Holder: cn=John A. Artz, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: OgGXsAt29tYNZJofQ7+l7g==
Total Fees Authorized: \$780.0
Payment Category: DA - Deposit Account
Deposit Account Number: 500476
Deposit Account Name: John A. Artz

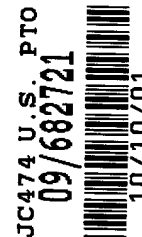


TRANSMITTAL FORM

Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: 15-XZ-6153



DESIGN AND IMPLEMENTATION DEVICE FOR REAL-TIME CONTROLLERS

First Named Inventor: Mr. George Mathew

SUBMITTED BY

Name: Mr. John A. Artz
Registration Number: 25824
Electronic Signature Mark: John A. Artz
Date Signed: 20011010

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

bibd-transmittal	GEMS 0128apds.xml
patent-assignment	GEMS 0128asgn.xml
fee-transmittal	GEMS 0128fee.xml
specification	Specification.xml
declaration	Declaration.tif

declaration
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Declaration2.tif
Declaration3.tif
Figure1.tif
Figure2.tif
Figure3.tif

Attached Image File(s):

Declaration.tif
Declaration2.tif
Declaration3.tif
Figure1.tif
Figure2.tif
Figure3.tif

DECLARATION

Comments:

Table 1. Demographic characteristics of the study population	
Age (years)	65.0 ± 1.5
Gender	
Male	50 (50.0%)
Female	50 (50.0%)
Education (years)	12.0 ± 1.0
Marital status	
Married	40 (80.0%)
Single	10 (20.0%)
Occupation	
Retired	40 (80.0%)
Unemployed	10 (20.0%)
Income (USD/month)	1,200 ± 200
Health status	
Good	30 (60.0%)
Poor	20 (40.0%)
Comorbidities	
Hypertension	20 (40.0%)
Diabetes	10 (20.0%)
Cholesterol	15 (30.0%)
Smoking status	
Smoker	10 (20.0%)
Non-smoker	40 (80.0%)
Alcohol consumption	
Regular	5 (10.0%)
Occasional	15 (30.0%)
Never	30 (60.0%)

Table 1. Demographic characteristics of the study population	
Age (years)	Mean (SD)
18-24	20.5 (2.5)
25-34	29.5 (4.5)
35-44	39.5 (5.5)
45-54	49.5 (6.5)
55-64	59.5 (7.5)
65-74	69.5 (8.5)
75-84	79.5 (9.5)
85-94	89.5 (10.5)
95-104	99.5 (11.5)
105-114	109.5 (12.5)
115-124	119.5 (13.5)
125-134	129.5 (14.5)
135-144	139.5 (15.5)
145-154	149.5 (16.5)
155-164	159.5 (17.5)
165-174	169.5 (18.5)
175-184	179.5 (19.5)
185-194	189.5 (20.5)
195-204	199.5 (21.5)
205-214	209.5 (22.5)
215-224	219.5 (23.5)
225-234	229.5 (24.5)
235-244	239.5 (25.5)
245-254	249.5 (26.5)
255-264	259.5 (27.5)
265-274	269.5 (28.5)
275-284	279.5 (29.5)
285-294	289.5 (30.5)
295-304	299.5 (31.5)
305-314	309.5 (32.5)
315-324	319.5 (33.5)
325-334	329.5 (34.5)
335-344	339.5 (35.5)
345-354	349.5 (36.5)
355-364	359.5 (37.5)
365-374	369.5 (38.5)
375-384	379.5 (39.5)
385-394	389.5 (40.5)
395-404	399.5 (41.5)
405-414	409.5 (42.5)
415-424	419.5 (43.5)
425-434	429.5 (44.5)
435-444	439.5 (45.5)
445-454	449.5 (46.5)
455-464	459.5 (47.5)
465-474	469.5 (48.5)
475-484	479.5 (49.5)
485-494	489.5 (50.5)
495-504	499.5 (51.5)
505-514	509.5 (52.5)
515-524	519.5 (53.5)
525-534	529.5 (54.5)
535-544	539.5 (55.5)
545-554	549.5 (56.5)
555-564	559.5 (57.5)
565-574	569.5 (58.5)
575-584	579.5 (59.5)
585-594	589.5 (60.5)
595-604	599.5 (61.5)
605-614	609.5 (62.5)
615-624	619.5 (63.5)
625-634	629.5 (64.5)
635-644	639.5 (65.5)
645-654	649.5 (66.5)
655-664	659.5 (67.5)
665-674	669.5 (68.5)
675-684	679.5 (69.5)
685-694	689.5 (70.5)
695-704	699.5 (71.5)
705-714	709.5 (72.5)
715-724	719.5 (73.5)
725-734	729.5 (74.5)
735-744	739.5 (75.5)
745-754	749.5 (76.5)
755-764	759.5 (77.5)
765-774	769.5 (78.5)
775-784	779.5 (79.5)
785-794	789.5 (80.5)
795-804	799.5 (81.5)
805-814	809.5 (82.5)
815-824	819.5 (83.5)
825-834	829.5 (84.5)
835-844	839.5 (85.5)
845-854	849.5 (86.5)
855-864	859.5 (87.5)
865-874	869.5 (88.5)
875-884	879.5 (89.5)
885-894	889.5 (90.5)
895-904	899.5 (91.5)
905-914	909.5 (92.5)
915-924	919.5 (93.5)
925-934	929.5 (94.5)
935-944	939.5 (95.5)
945-954	949.5 (96.5)
955-964	959.5 (97.5)
965-974	969.5 (98.5)
975-984	979.5 (99.5)
985-994	989.5 (100.5)
995-1004	999.5 (101.5)
1005-1014	1009.5 (102.5)
1015-1024	1019.5 (103.5)
1025-1034	1029.5 (104.5)
1035-1044	1039.5 (105.5)
1045-1054	1049.5 (106.5)
1055-1064	1059.5 (107.5)
1065-1074	1069.5 (108.5)
1075-1084	1079.5 (109.5)
1085-1094	1089.5 (110.5)
1095-1104	1099.5 (111.5)
1105-1114	1109.5 (112.5)
1115-1124	1119.5 (113.5)
1125-1134	

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

DESIGN AND IMPLEMENTATION DEVICE FOR REAL-TIME CONTROLLERS

the specification of which:

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR ' 1.56.

I hereby claim foreign priority benefits under 35 USC '119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT International Application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Not For Foreign Application (x)			Priority Claimed		Certified Copy Attached	
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No	Yes	No

I hereby claim the benefit under 35 USC '120 of any United States application(s), or 365(c) of any PCT International Application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is disclosed in the prior United States or PCT International Application in the manner provided by the first paragraph of 35 USC '11 acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR '1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) OR
PCT Parent Number:

(Serial Number) (Day/Month/Year Filed) (Patented, pending, abandoned)

I hereby claim the benefit under 35 USC 119(e) of any United States provisional application listed below:

(Application Number) (Day/Month/Year Filed)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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Mierzwa Reg. No. 38,049; Robert P. Renke Reg. No. 40,783; Angela M.
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(248) 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like made are punishable by fine or imprisonment, or both, under 18 USC 1001 and that such willful false statements may jeopardize validity of the application or any patent issued thereon.

Full name of sole or first inventor: George Mathew

Inventor's signature George Mathew Date 10/1/2001

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Full name of sole or first inventor: Terry M. Topka

Inventor's signature _____ Date _____

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Full name of sole or first inventor: Lakshmi Gudapakkam

Inventor's signature Lakshmi Gudapakkam Date Oct 1' 2001

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As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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Inventor's signature Terry M. Topka Date 09/19/2001
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Full name of sole or first inventor: Lakshmi Gudapakkam
Inventor's signature _____ Date _____
Post Office Address same as residence Citizenship India
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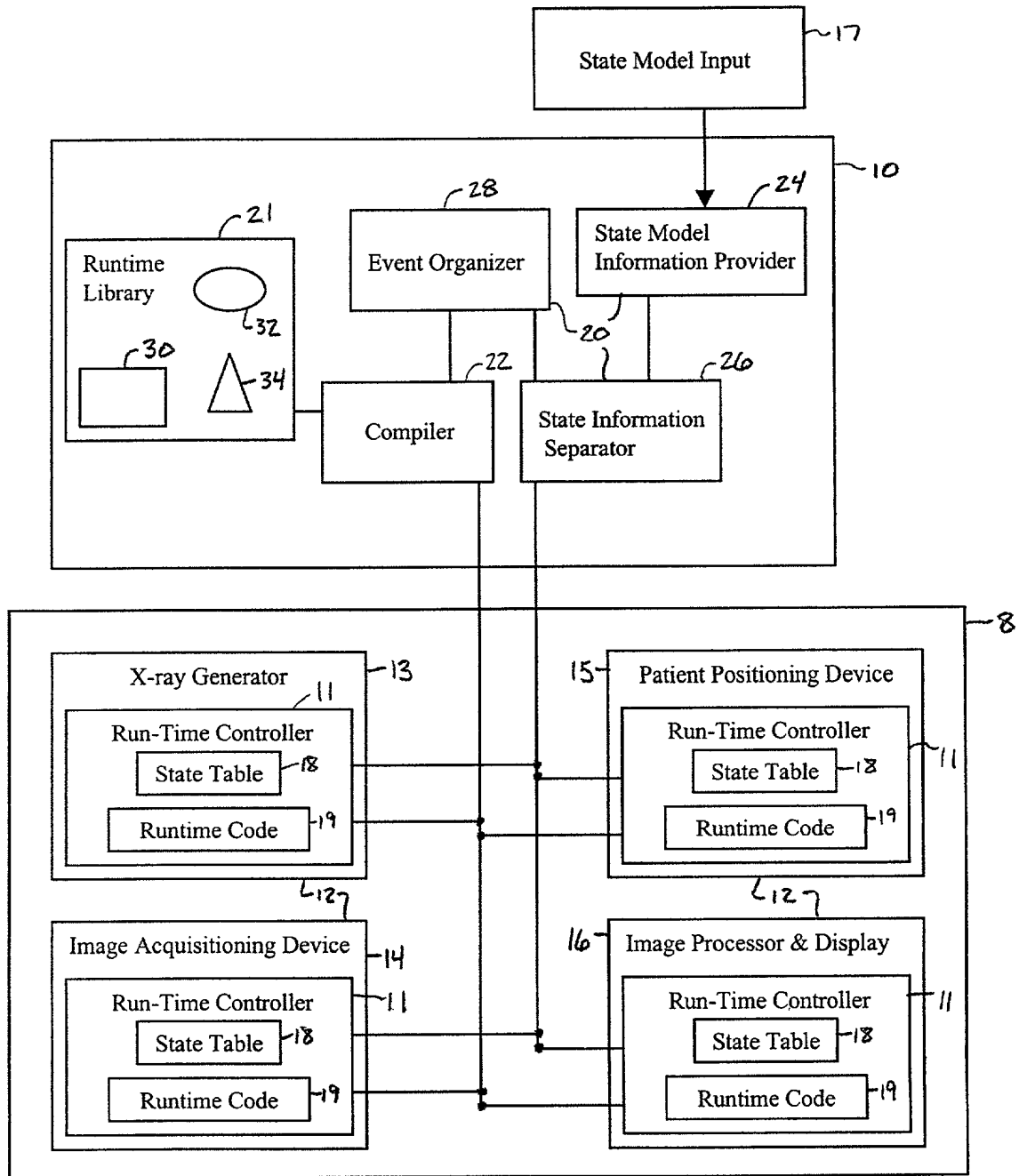


Fig. 1

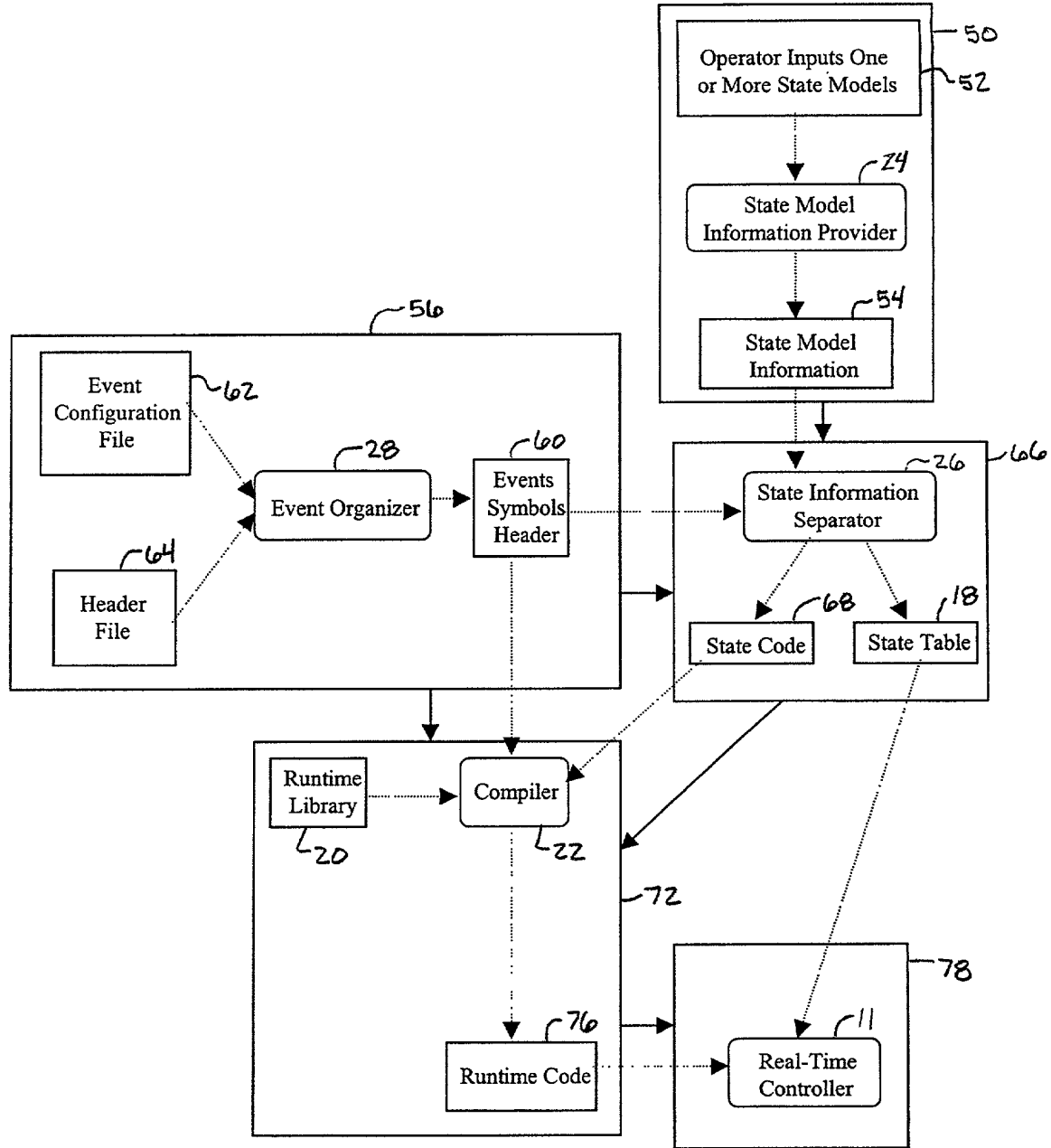


Fig. 2

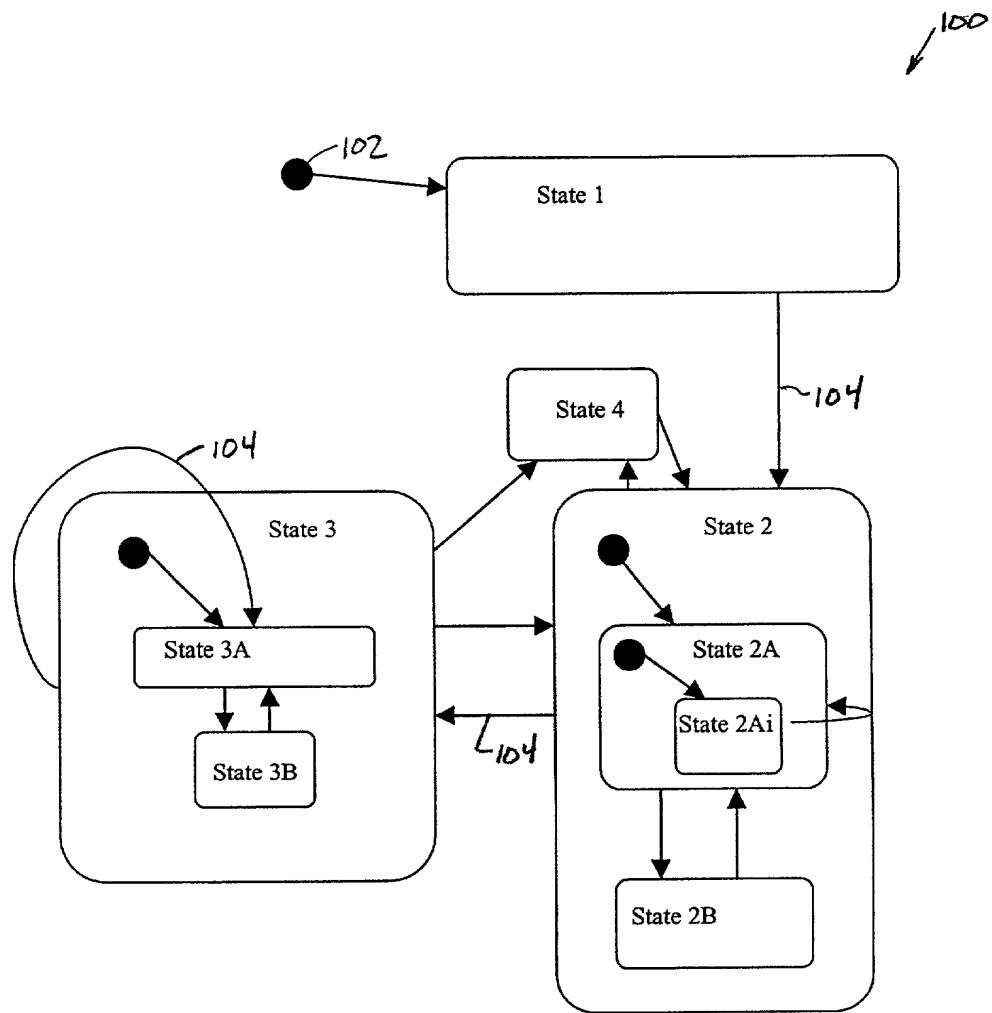


Fig. 3

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 50-0476



Deposit Account Name: John A. Artz, P.C.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge the Issue Fee Set in 37 C.F.R. Section 1.18 at the Mailing of the Notice of Allowance

SUBMITTED BY

Authorized Name: John A. Artz

Electronic Signature Mark: John A. Artz

Date Signed: 20011010

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40

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